BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Construction of Open Air Theater at Ward No.07 in Byatarayanapura Assembly Constituency

Client	Sri. S D Venkatesh Gowda, #151, Santhanur Village, Bagalur Post, Jala Hobli, Bangalore-562149

WORK SLIP-I

Estimate Amount:-	25000000.00
Approved Amount	22001730.00
Name of Contractor:-	Sri. S D Venkatesh Gowda
Tender premium:-	(-) 1% (Above)

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	KSRB 2-1.1 Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications	Cum	30.26	271.61	8219.00	291.01	37.83	271.61	10274.00	253.19	271.61	68769.00	79043.00	70824.00		
2	KSRB 2-2.2 Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	127.77	489.77	62578.00	236.49	159.71	489.77	78223.00	76.77	489.77	37602.00	115825.00	53247.00		
3	KSRB -3.2 Providing and injecting chemical emulsion for Preconstructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured	Sqm	100.85	115.62	11661.00	415.73	126.06	115.62	14576.00	289.67	115.62	33494.00	48070.00	36409.00		
6	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinthin layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming afterwatering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as perspecifications	Cum	111.95	219.25	24546.00	329.14	139.94	219.25	30682.00	189.21	219.25	41484.00	72166.00	47620.00		
7	KSRB 5.2.2 Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2 m apart in each course including cost of materials, labour, curing complete as per specifications	Cum	148.40	4902.06	727466.00	291.92	185.50	4902.06	909333.00	106.42	4902.06	521678.00	1431011.00	703545.00		
9	KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials labour complete as per specificaitons	Sqm	45.00	281.43	12665.00	101.10	56.25	281.43	15831.00	44.85	281.43	12621.00	28452.00	15787.00		

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No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
12	KSRB 4-6 2 Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton	Sqm	16.14	436.32	7043.00	101.10	20.18	436.32	8803.00	80.92	436.32	35308.00	44111.00	37068.00		
14	KSRB 4-6 10 Providing and removing centering, shuttering, strutting, propping etc , for chajjas, corbels etc , including edges including cost of all materials, labour complete as per specificaiton	Sqm	5.22	352.33	1840.00	7.39	6.53	352.33	2299.00	0.86	352.33	305.00	2604.00	764.00		
16	KSRB 5-14 Providing and constructing non load bearing wall with solid concrete blocks having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1) 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc , complete as per specifications. KBS No. 5.4 with solid concrete blocks of size 40X20X20cm	Sqm	189.00	1049.35	198328.00	260.02	236.25	1049.35	247909.00	23.77	1049.35	24940.00	272849.00	74521.00		
29	KSRB15-3-13 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc , complete as per specification	Sqm	15.78	256.34	4046.00	64.92	19.73	256.34	5057.00	45.20	256.34	11587.00	16644.00	12598.00		
30	KSRB15-3 Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	132.76	267.25	35481.00	256.24	165.95	267.25	44351.00	90.29	267.25	24130.00	68481.00	33000.00		
31	KSRB 15-3 3 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	232.05	210.52	48852.00	257.43	257.43	210.52	54195.00	0.00	0.00	0.00	54195.00	5343.00		
40	KSRB 7 9 Providing and fixing M S grill work for windows and ventilators Weighing 21 kg/sqm using M S flats, or M S. square rods, or combination of M S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.	kgs	202.50	103.63	20986.00	285.14	253.13	103.63	26232.00	32.02	267.25	8558.00	34790.00	13804.00		
149	KSRB 4-1 6 , Providing and laying in position plain cement concrete of Mix 1 2 4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0 878 cum and fine aggregtes @ 0 459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications	Cum	8.10	5914.32	47906.00	14.54	10.13	5914.32	59883.00	4.41	6457.22	28500.00	88383.00	40477.00		

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No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
154	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P W S S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc, as per specification and Direction	Each	1.00	3919.85	3920.00	2.00	1.25	3919.85	4900.00	0.75	3919.85	2940.00	7840.00	3920.00		
155	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 0 to 50m	m	50.00	360.98	18049.00	100.00	62.50	360.98	22562.00	37.50	360.98	13537.00	36099.00	18050.00		
156	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc , complete) 50 to 100m	m	50.00	459.81	22991.00	100.00	62.50	459.81	28739.00	37.50	459.81	17243.00	45982.00	22991.00		
157	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc , complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc , complete) 100 to 150m	m	50.00	474.38	23719.00	59.00	59.00	474.38	27989.00	0.00	0.00	0.00	27989.00	4270.00		
162	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end	Rmtr	54.00	1338.25	72266.00	113.00	67.50	1338.25	90332.00	45.50	1338.25	60891.00	151223.00	78957.00		

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No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
164	Providing 175mm dia casing cap	No	1.00	101.00	101.00	2.00	1.25	101.00	127.00	0.75	101.00	76.00	203.00	102.00		
165	Providing MS Casing pilpe collars	No	1.00	151.50	152.00	2.00	1.25	151.50	190.00	0.75	151.50	114.00	304.00	152.00		
	Grand total				**1352815.00**				**1682487.00**				**2626264.00**	**1273449.00**		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(1273449/22001730.00)x100= 5.79%

Percentage of Workslip 5.79 %

Workslip -I

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Construction of Open Air Theater at Ward No.07 in Byatarayanapura Assembly Constituency

Agency	**Sri. S D Venkatesh Gowda, #151, Santhanur Village, Bagalur Post, Jala Hobli, Bangalore-562149**
	EIRL
Approved Amount	**22001730.00**
Name of Contractor:-	**Sri. S D Venkatesh Gowda**
Tender premium:-	**(+) 1% (Above)**

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the directions of the Engineer-in-charge of the work	Sqm	32.04	5087.37	163000.00	Yes	No	-	Data Rate	
E2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & formwork to be paid separately) M20	Cum	10.81	6630.45	71708.00	Yes	No	-	Yes	
E3	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Cum	258.71	446.62	115546.00	Yes	No	-	Yes	

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Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E4	40mm Normal gauge polythene bore pipes	m	100.00	75.75	7575.00	Yes	No	-	Yes	
E5	Supply, installing,testing and commissioning COMMON control panelconsisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type Upto 6 HP pumps	Cum	1.00	9882.85	9883.00	Yes	No	-	Yes	
E6	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 3.00 HP - 120 LPM @ 55 m = 5 STG Outlet Dia - 2.00"	each	1.00	31160.11	31161.00	Yes	No	-	Yes	
	TOTAL EIRL AMOUNT				**398873.00**					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{398873.00}{22001730.00} \times 100 = 1.81\ \%$

E.I.R.L-I

Contractor | Assistant Engineer | Assistant Executive Engineer | Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: Construction of Open Air Theater at Ward No.07 in Byatarayanapura Assembly Constituency

RATE ANALYSIS – 1

Agency	**Sri. S D Venkatesh Gowda, #151, Santhanur Village, Bagalur Post, Jala Hobli, Bangalore-562149**
Approved Amount	**22001730.00**
Name of Contractor:-	**Sri. S D Venkatesh Gowda**
Tender premium:-	**(+) 1% (Above)**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
1	KSRB 2-1.1 Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Cum	Pg No 6 of KPWD S.R 2018-19	2.1	249.00	-	249.00	19.92	268.92	2.69	271.61
2	KSRB 2-2.2 Earthwork excavation by manual means for foundation of buildings. culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	Pg No 6 of KPWD S.R 2018-19	2.4	449.00	-	449.00	35.92	484.92	4.85	489.77
3	KSRB -3.2 Providing and injecting chemical emulsion for Preconstructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments. complete as per specifications. (Plinth area of the building at ground floor only shall be measured.	Sqm	Pg No 10 of KPWD S.R 2018-19	3.2	106.00	-	106.00	8.48	114.48	1.14	115.62

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
6	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinthin layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming afterwatering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as perspecifications	Cum	Pg No 7 of KPWD S.R 2018-19	2.10	201.00	-	201.00	16.08	217.08	2.17	219.25
7	KSRB 5.2.2 Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2 m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	Pg No 25 of KPWD S.R 2018-19	5.5	4494.00	-	4494.00	359.52	4853.52	48.54	4902.06
9	KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	Pg No 16 of KPWD S.R 2018-19	4.28	258.00	-	258.00	20.64	278.64	2.79	281.43
12	KSRB 4-6.2 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton	Sqm	Page No. 16 of KPWD S.R 2018-19	4.29.2	400.00	-	400.00	32.00	432.00	4.32	436.32
13	KSRB 4.2.11 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications.	Sqm	Page No. 15, of KPWD S.R 2018-19	4.20	496.00	-	496.00	39.68	535.68	5.36	541.04
14	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton.	Sqm	Pg No 17 of KPWD S.R 2018-19	4.37	323.00	-	323.00	25.84	348.84	3.49	352.33

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
16	KSRB 5-14 Providing and constructing non load bearing wall with solid concrete blocks having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 with solid concrete blocks of size 40X20X20cm	Sqm	Pg No 27 of KPWD S.R 2018-19	5.26.1	962.00	-	962.00	76.96	1038.96	10.39	1049.35
29	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Sqm	Pg No 116 of KPWD S.R 2018-19	15.21	235.00	-	235.00	18.80	253.80	2.54	256.34
30	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	Page No. 116 (PWD, S.R. 2018-19)	15.17	245.00	-	245.00	19.60	264.60	2.65	267.25
40	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators Weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.	kgs	Pg No 34 of KPWD S.R 2018-19	7.9	95.00	-	95.00	7.60	102.60	1.03	103.63
149	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	Pg No 13 of KPWD S.R 2018-19 Issue Rate 02-11-2021	4.6	5919.71	-	5919.71	473.58	6393.29	63.93	6457.22

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
154	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc, as per specification and Direction	Each	Pg No 148 of PRED S.R 2019-20	13.04	3768.00	-	3768.00	113.04	3881.04	38.81	3919.85
155	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 0 to 50m	m	Pg No 148 of PRED S.R 2019-20	13.01 a)	347.00	-	347.00	10.41	357.41	3.57	360.98
156	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 50 to 100m	m	Pg No 148 of PRED S.R 2019-20	13.01 b)	442.00	-	442.00	13.26	455.26	4.55	459.81

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
162	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end	Rmtr	Pg No 338 of PRED S.R 2019-20	15.85	1325.00	-	1325.00	0.00	1325.00	13.25	1338.25
164	Providing 175mm dia casing cap	No	Pg No 111 of PRED S.R 2012-13	85	100.00	-	100.00	0.00	100.00	1.00	101.00
165	Providing MS Casing pilpe collars	No	Pg No 111 of KPWD S.R 2012-13	86	150.00	-	150.00	0.00	150.00	1.50	151.50
	EIRL										
E1	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the directions of the Engineer-in-charge of the work	Sqm	Data Rate	-	5037.00	-	5037.00	-	5037.00	50.37	5087.37

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
E2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No 17 of KPWD S.R 2021-22 Vol - I Issue Rate 9-11-2022	2.4.2	5968.00	-	5968.00	596.80	6564.80	65.65	6630.45
E3	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Cum	Pg No 7 of KPWD S.R 2021-22 Vol - I Issue Rate 9-11-2022	1.8	402.00	-	402.00	40.20	442.20	4.42	446.62
E4	40mm Normal gauge polythene bore pipes	m	Pg No 3 of KPWD S.R 2021-22 Vol - V	74	75.00	-	75.00	-	75.00	0.75	75.75
E5	Supply, installing,testing and commissioning COMMON control panelconsisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type Upto 6 HP pumps	Cum	Pg No 162 of KPWD S.R 2021-22 Vol - V	29.1	9500.00	-	9500.00	285.00	9785.00	97.85	9882.85

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	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW %	Total Rate	T.P (+)1%	Final Rate.
E6	Providing.supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications.as per necessary ammendments and instructions of engineer incharge of work. 3.00 HP - 120 LPM @ 55 m = 5 STG Outlet Dia - 2.00"	each	Pg No 159 of KPWD S.R 2021-22 Vol - V	11.4	29953.00	-	29953.00	898.59	30851.59	308.52	31160.11

Asst Engineer

Executive Engineer

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